Electrified Closer/ Holder

Fire/Life-Safety Products
to Protect People
and Property



RIXSON
ASSA ABLOY

ASSA ABLOY, the global leader
in door opening solutions

Rixson® was the first architectural hardware company to have fire/life-safety closers and holders. It remains an industry leader with several distinctly different holding devices. The Smok-Chek® V, the Smok-Chek® VI and the Checkmate® 99 serve many purposes. Certain models come as detectored with a built in smoke detector or non-detectored models which would be connected only to the alarm system. BE ADVISED THAT THESE PRODUCTS ARE NOT DESIGNED TO BE MANUALLY PULLED OUT OF HOLD OPEN. If continual cycling is necessary, use a separate switch to release.

Smok-Chek® V

Electromechanical action

- Single-point hold open
- More durable than electrohydraulic units
- To hold open at 90°, door must open to 93°
- Best suited for cross corridor doors

Smok-Chek® VI

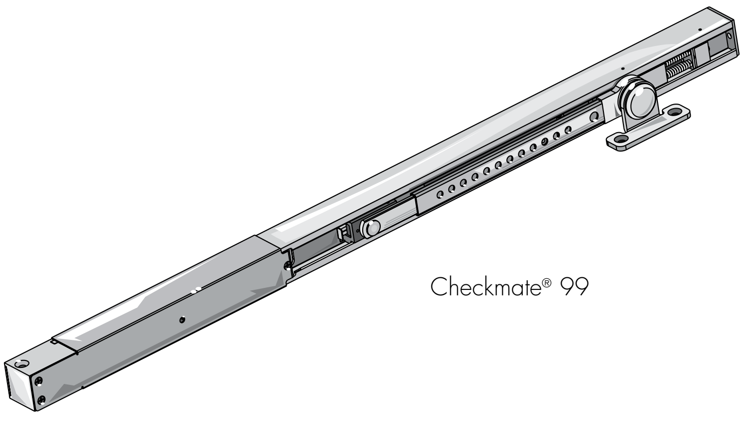
Electrohydraulic action

- Single point hold open- field adjustable, via cam
- Factory preset at 80°
- To hold open at 90°, door must open to 105°
- Free-Swing arm option
  - Door acts as if there is no closer attached until the power is cut and the arm piece brings the door closed
- Best suited for patient room doors using free swing arm option

Checkmate® 99

Electromechanical action – no closer supplied

- For doors with floor closers or surface mounted door closers
- Single point hold open
- To hold open at 90°, door must open to 93°
- Best suited for cross corridor doors



Checkmate® 99

SMOK-CHEK® V

550789 Arm – suffix 550789

For Smok-Chek® V push side units only. This option should be used on double egress with reveals from 3-1/2" to 5-1/2". Should also be used on push side mount where doors need to swing to 180°.

SMOK-CHEK® VI

Detectored products

They have an integral photo-optic smoke detector. They can be stand-alone or used to activate other non-detectored models.

Non-detectored

These are connected to the alarm system or to a detectored unit at the same opening.

Free Swing Arm – prefix FS

For Smok-Chek® VI pull side units only. This option disengages the arm from the closing mechanism to make the door swing freely. It is normally used on patient room doors in hospitals. When alarm cuts the power, a mechanism on the closer spindle pushes the arm and closes the door.

Double Egress Arm – prefix DE

For Smok-Chek® VI pull side units only. This option can accommodate double egress reveals up to 3".

CHECKMATE 99

May be detectored.

CERTIFICATIONS

All units are UL listed

All Rixson® electrified closer/holders are in compliance with ANSI/BHMA A156.8 and A156.15 Standards. See individual products for sub sections.

LIMITED WARRANTY

Rixson Electrified Closer/Holders are warranted for 2 years for defect. See Rixson price book for specific details of the limited warranty.

SPECIFICATIONS

Closer/Holders shall be Smok-Chek® V series. They should be electromechanical type. All holders shall open and hold up to 180°. Units shall have holder on the frame and closer on the door. Product with fall-off will not be acceptable.

Closer/Holders shall be Smok-Chek® VI series. They should be electohydraulic type. Units should have integral smoke detector, where applicable. All models shall have the ability to be set to multiple point hold open in the field. This product should have free swing option.

Whenever floor closers are specified and an electromechanical hold open is needed, the product should be **Checkmate®** 99. This separate holder will allow the doors to swing to 110°, depending on the type of closer being used. Units should have integral smoke detector, where applicable.

0600 PULL SIDE MOUNTING

Application

- Cross corridor doors – swinging in the same direction
- Non-handed
- Maximum door weight 250 lbs.
- Doors up to 4'0"

ANSI/C00111

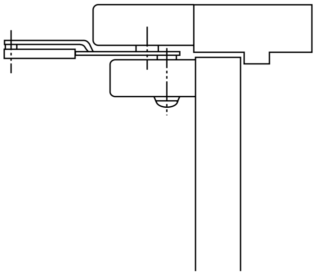


Product Description & Features

- Pull side mount
- Hold open range 85°- 145°
- Mounts on 2" header
- Adjustable spring surface closer
- Maximum reveal 1/8"
- Concealed switch disconnects hold open
- Sprayed finishes

Technical Information

- 24VAC/DC 80ma
- 120VAC 17ma



0601 PUSH SIDE MOUNTING

Application

- Cross corridor doors – double egress – doors swinging in opposite directions
- Non-handed
- Maximum door weight 250 lbs.
- Doors up to 4'0"

ANSI/C00231

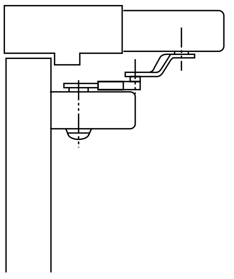


Product Description & Features

- Push side mount
- Hold open range 85°- 135°
- Doors may swing and hold at 180° by using special arm 550789
- Mounts on 2" header
- Adjustable spring surface closer
- Maximum reveal 3-1/2"
- For reveals 3-1/2" - 5-1/2" use special arm 550789
- Concealed switch disconnects hold open
- Sprayed finishes

Technical Information

- 24VAC/DC 80ma
- 120VAC 17ma

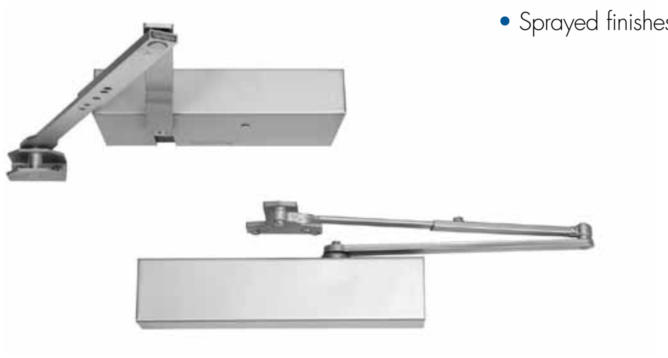


0602 HOLDER PULL SIDE MOUNTING/CLOSER PUSH SIDE MOUNTING

Application

- Cross corridor doors – swinging in the same direction
- Non-handed
- Maximum door weight 250 lbs.
- Doors up to 4'0"

ANSI/C00471

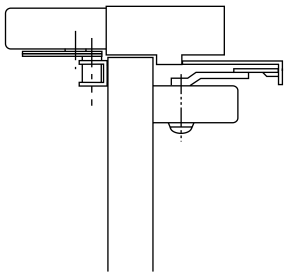


Product Description & Features

- Pull side mount for holder
- Push side mount for closer
- Hold open range 85°- 180°
- Mounts on 2" header
- Adjustable spring surface closer
- Maximum reveal 1/8"
- Concealed switch disconnects hold open
- Sprayed finishes

Technical Information

- 24VAC/DC 80ma
- 120VAC 17ma



0100 HOLDER PULL SIDE MOUNTING – NO CLOSER

Application

- Cross corridor doors – can be used with floor closers
- Non-handed
- Maximum door weight 250 lbs.
- Doors up to 4'0"

ANSI/C00471

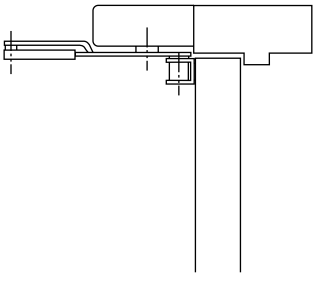


Product Description & Features

- Pull side mount for holder
- No closer supplied
- Hold open range 85°- 180°
- Mounts on 2" header
- Maximum reveal 1/8"
- Sprayed finishes

Technical Information

- 24VAC/DC 80ma
- 120VAC 17ma



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0101 HOLDER PUSH SIDE MOUNTING – NO CLOSER

Application

- Cross corridor doors – double egress – doors swinging in opposite directions
- Non-handed
- Maximum door weight 250 lbs.
- Doors up to 4'0"

ANSI/C00511

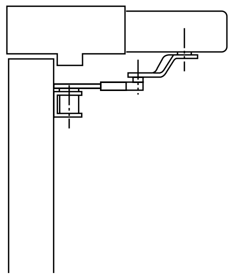


Product Description & Features

- Push side mount for holder
- No closer supplied
- Hold open range 85°- 135°
- Mounts on 2" header
- Maximum reveal 3-1/2"
- For reveals 3-1/2" - 5-1/2" use special arm 550789
- Sprayed finishes

Technical Information

- 24VAC/DC 80ma
- 120VAC 17ma



HOW TO ORDER

0601 Series	x 120VAC Voltage	x 550789 Options	x 689 Finish
0600 Pull Side Mounting 0601 Push Side Mounting 0602 Holder on Pull Side/Closer on Push Side 0100 Pull Side Mounting Holder Only 0101 Push Side Mounting Holder Only	120VAC 24VAC/DC	550789 Arm	689 Sprayed Alum 690 Sprayed Dk Brz 691 Sprayed Lt Brz 696 Sprayed Brass

4 PULL NON-DETECTORED PULL SIDE MOUNTING/ 6 PULL DETECTORED PULL SIDE MOUNTING

Application

- Patient room doors
- Maximum door weight 250 lbs.
- Handed
- Door width 2'4" - 4'0"

ANSI/C00351/C00361/
C00371/C00381

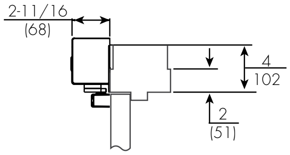


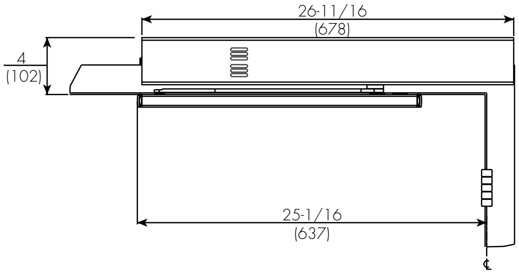
Product Description & Features

- Pull side mounted
- Free swing arm available (prefix "FS")
- Maximum door opening 180° Maximum hold open 175°
- Double egress arm available for reveals deeper than 1/8" up to 3" (prefix "DE"). Maximum opening 110°
- Single point hold open preset at factory (85°-175°)
- 4 PULL can be used with smoke detectors or as a slave unit to the 6 PULL
- 2" clearance required above 2" frame
- Sex bolts included standard
- 4 PULL available in 24VDC only
- 120VAC input is stepped down to 24VDC solenoid
- Sprayed finishes

Technical Information

- Non-detected 24VDC 70ma
- When 4 PULL and 6 PULL are ordered for a single pair of double doors, 4 PULL must be 24VDC
- Detected 24VDC 86ma standby, 105ma alarm





4 PUSH NON-DETECTORED PUSH SIDE MOUNTING/ 6 PUSH DETECTORED PUSH SIDE MOUNTING

Application

- Patient room doors or stairwell
- Maximum door weight 250 lbs.
- Handed
- Door width 2'4" - 4'0"



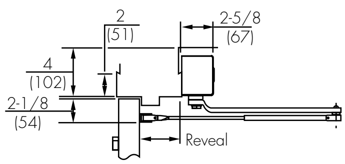
ANSI/C00311/C00321

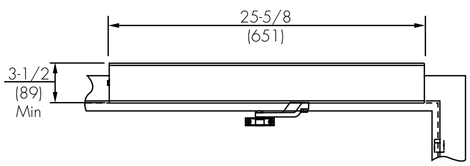
Product Description & Features

- Push side (stop) mounted
- Maximum door opening 180° Maximum hold open 175°
- Selective Hold Open (Standard) – single point hold open preset at factory (85°-175°)
- 4 PUSH can be used with smoke detectors or as a slave unit to the 6 PUSH
- 4 PUSH available in 24VDC only
- 120VAC input is stepped down to 24VDC solenoid
- Sprayed finishes

Technical Information

- Non-detected 24VDC 70ma
- When 4 PUSH and 6 PUSH are ordered for a single pair of double doors, 4 PUSH must be 24VDC
- Detected 24VDC 86ma standby, 105ma alarm





HOW TO ORDER

FS	x 4 PULL	S	x 120VAC	x RH	x 689
Prefix	Series		Voltage	Hand	Finish

Prefix
- FS Free Swing Arm (Pull Side Only)
- DE Double Egress Arm (Pull Side Only)

Series
- 4 PULL Non-Detectored Pull Side Mounting
- 6 PULL Detectored Pull Side Mounting
- 4 PUSH Non-Detectored Push Side Mounting
- 6 PUSH Detectored Push Side Mounting

Voltage
- 120VAC
- 24VDC

Hand
- RH
- LH

Finish
- 689 Sprayed Alum
- 690 Sprayed Dk Brz
- 691 Sprayed Lt Brz
- 696 Sprayed Brass

99-726 NON-DETECTORED PUSH SIDE MOUNT/ 99-626 DETECTORED PUSH SIDE MOUNT

Application

- Used with independent closers
- Non-handed
- For doors 2'8" to 4'0" (non-detectored) 3'0" to 4'0" (detectored)

ANSI/C00511/C00521



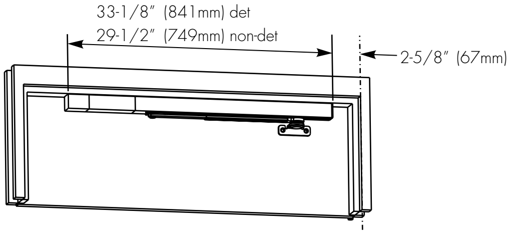
99-626 shown

Product Description & Features

- Surface mounted
- Single acting
- Sprayed finishes
- 85° - 110° hold open
- Push side
- Detectored or non-detectored
- Surface or concealed wiring
- Holding force 25-35 lbs.
- When used in conjunction with detectored model, unit must be 24VDC

Technical Information

- Non-detectored 120VAC / 24VAC/DC 90mA
- 120VAC / 24VAC/DC 106mA standby 125mA alarm



99-926 NON-DETECTORED PULL SIDE MOUNT/99-826 DETECTORED PULL SIDE MOUNT

Application

- Used with independent closers
- Non-handed
- For doors 2'8" to 4'0" (non-detectored) 3'0" to 4'0" (detectored)

ANSI/C00471/C00481



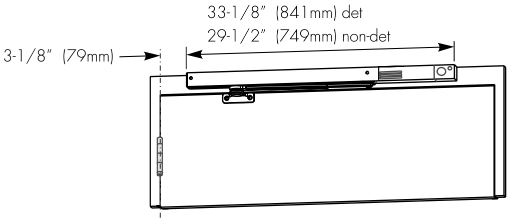
99-926 shown

Product Description & Features

- Surface mounted
- Single acting
- Sprayed finishes
- 85° - 110° hold open
- Pull side
- Detectored or non-detectored
- Surface or concealed wiring
- Holding force 25-35 lbs.
- When used in conjunction with detectored model, unit must be 24VDC

Technical Information

- Non-detectored 120VAC/ 24VAC/DC 90mA
- Detectored 120VAC/24VAC/DC 106ma standby 125mA alarm



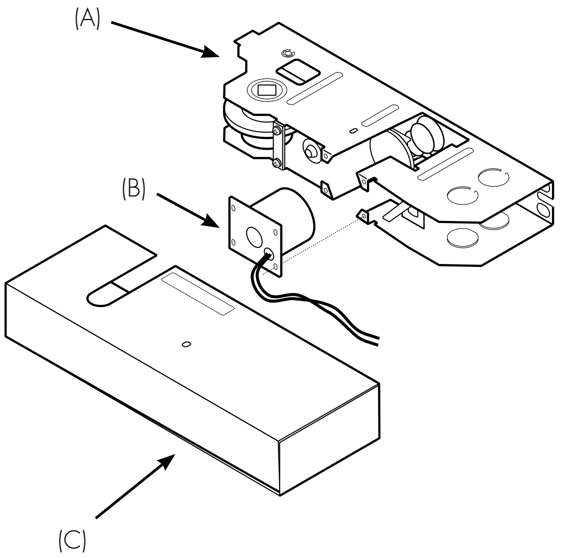
HOW TO ORDER

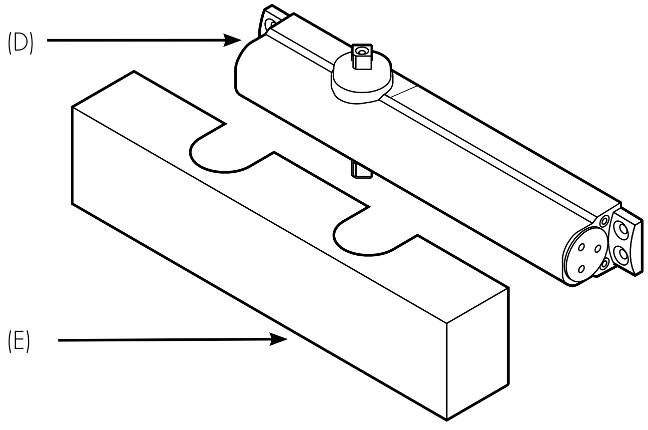
99-726 Series	x 120VAC Voltage	x 689 Finish
99-726 Non-Detectored Push Side Mounting 99-626 Detectored Push Side Mounting 99-926 Non-Detectored Pull Side Mounting 99-826 Detectored Pull Side Mounting	120VAC 24VAC/DC	689 Sprayed Alum 690 Sprayed Dk Brz 691 Sprayed Lt Brz 696 Sprayed Brass

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SMOK-CHEK® V

(A)	Holder Assembly 550100 120VAC 550101 24VAC/DC	
(B)	Magnet 930105 120VAC 930106 24VAC/DC	
(C)	Holder Cover (non-detectored) 550106-*	
(D)	Closer Body 85010163-*	
(E)	Closer Cover 233069K*	



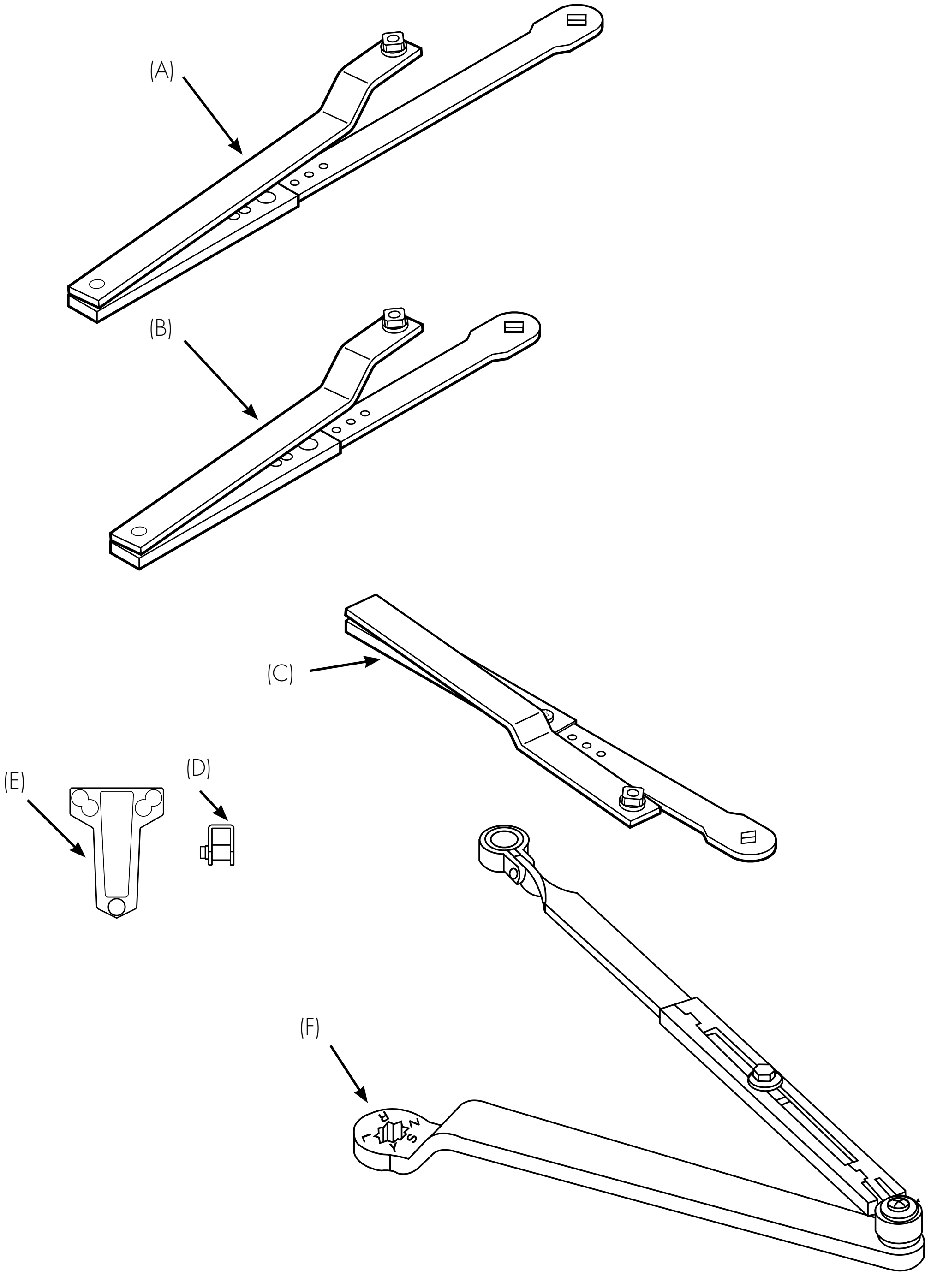


Screw Packs
550221-* for models with closers
550131-* for models without closers

*specify finish

SMOK-CHEK® V

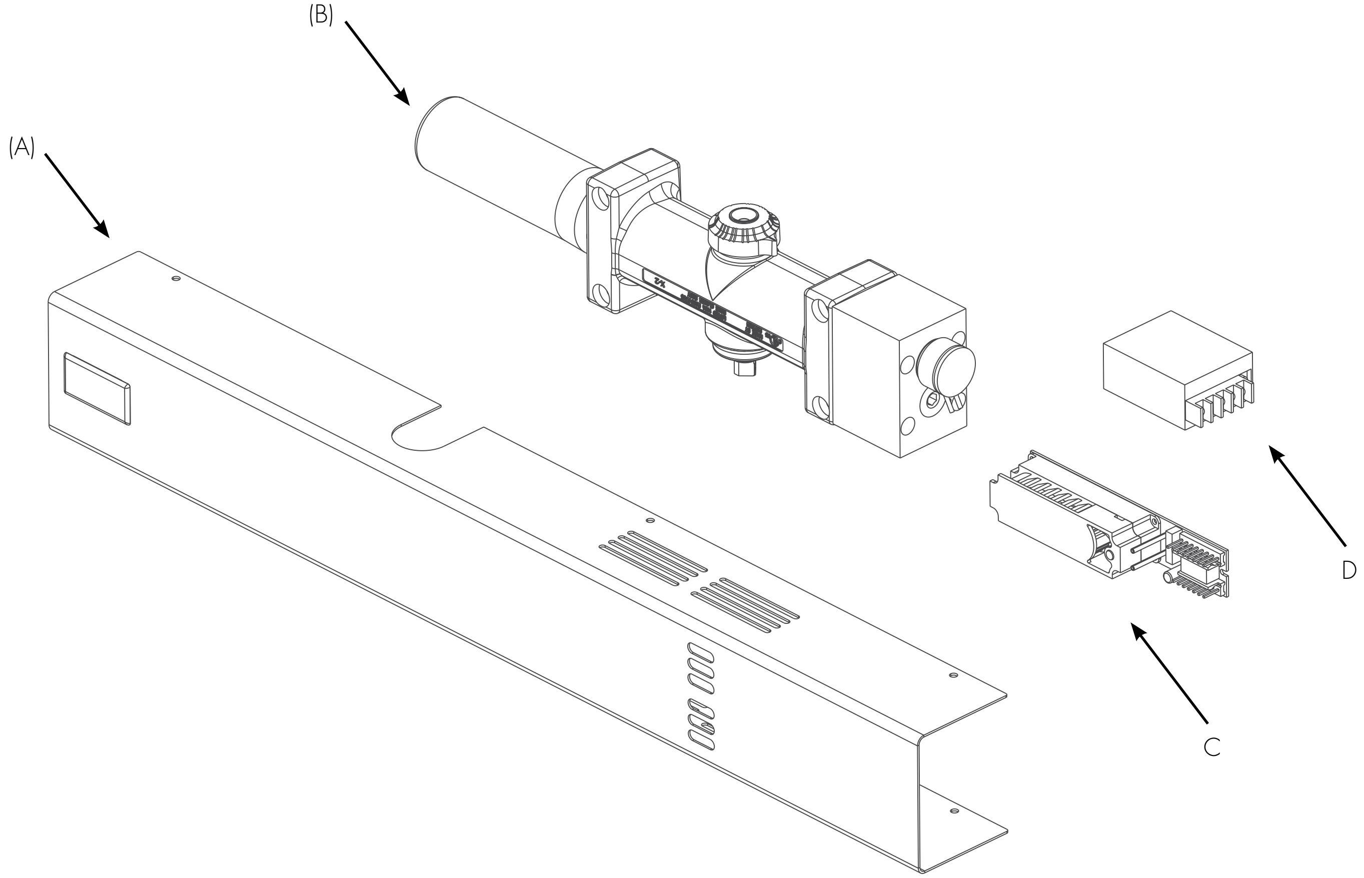
(A)	Deep Reveal Push Side Arm 550789-*
(B)	Push Side Arm 550136K*
(C)	Pull Side Arm 550120K-*
(D)	Door Pivot Bracket (Used with 0602 closers) 565118T689
(E)	PA Bracket (Used with 0602 closers) 40-1600-0450-078
(F)	Arm (used with 0602 closers) 20-7700-0192-*



*specify finish

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SMOK-CHEK® VI



(A) Cover (Non-detected) 15-7200-0511-*
(A) Cover (Detected) 15-7200-0512-*

(B) Body Only
15-7204-0501-078
(RH, 24VAC/DC)
15-7204-0503-078
(LH, 24VAC/DC)

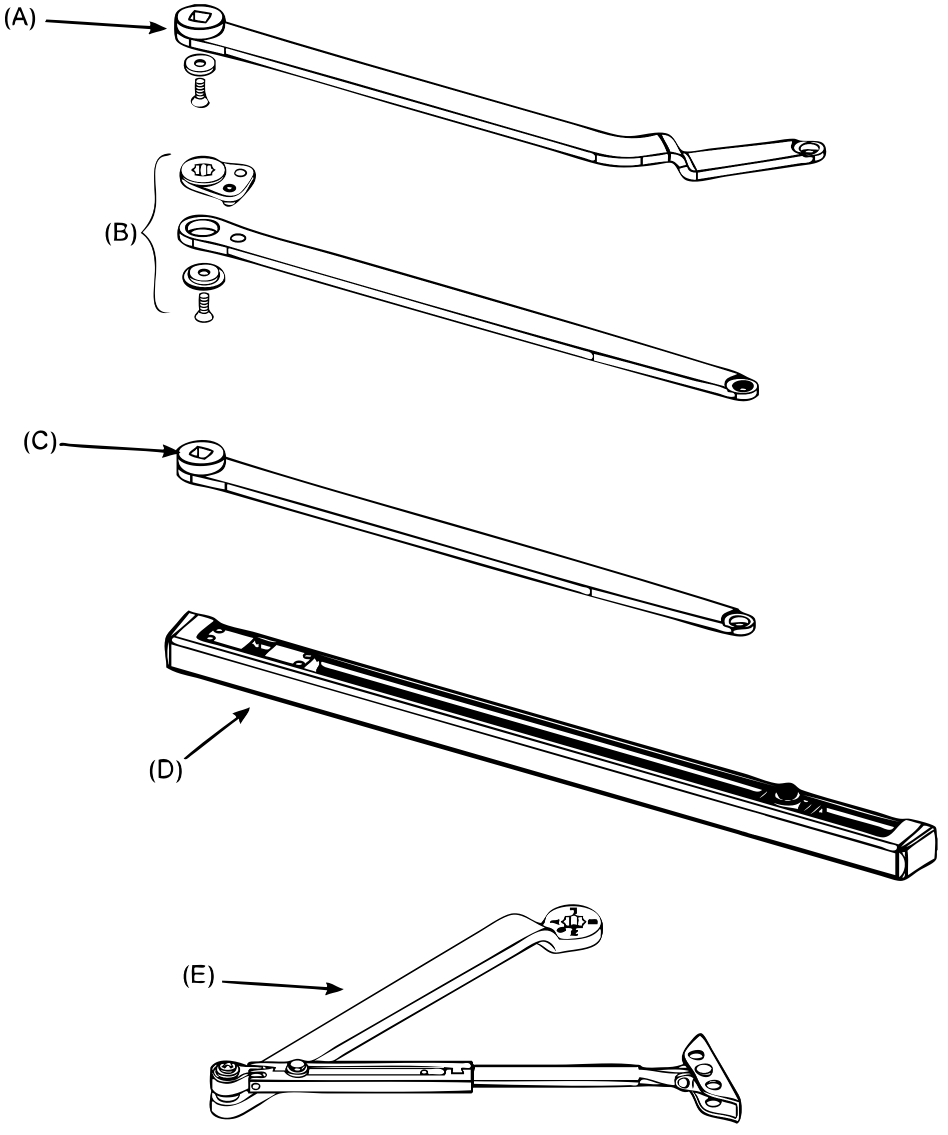
(C) Photo Optic Detector Module
Detectored units only
15-7200-0503-078
(24VAC/DC)

(D) PC Board
20-0099-0611-500 (24V)
20-0099-0612-500 (120V)

*specify finish

SMOK-CHEK® VI

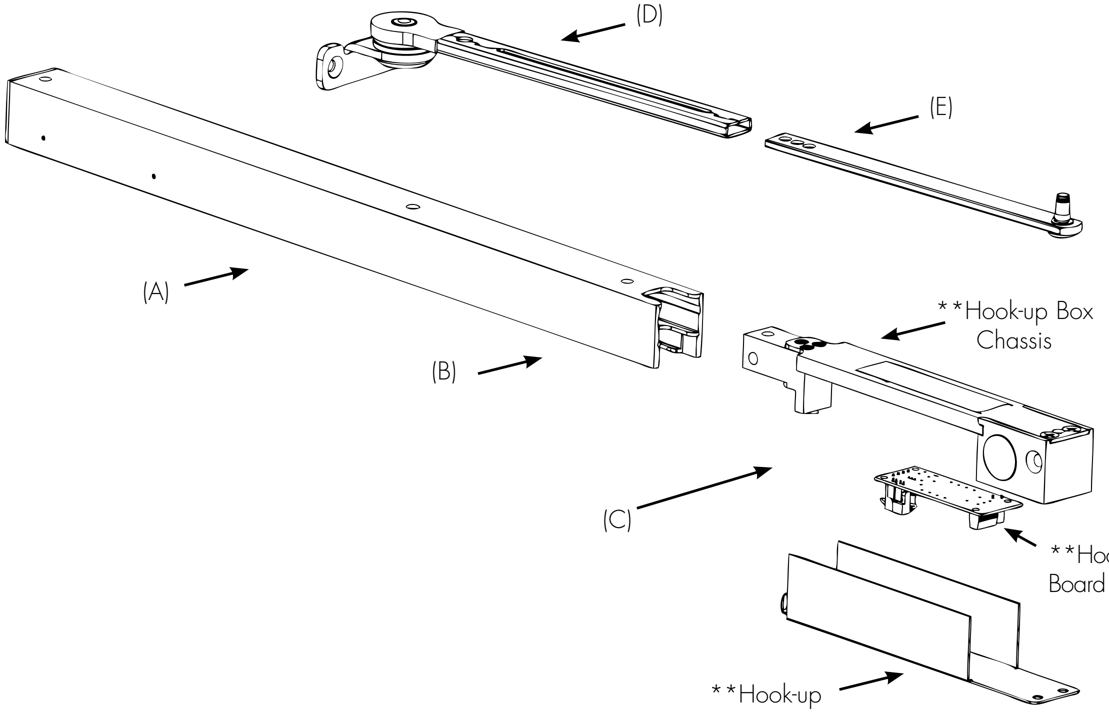
(A)	Double Egress Pull Side 15-7200-0517-* (RH) 15-7200-0518-* (LH)
(B)	Free Swing Arm 15-7200-0516-*
(C)	Pull Side Arm 15-7200-0515-*
(D)	Pull Side Track 15-7200-0514-*
(E)	Push Side Arm 15-7200-0505-*



Sex Bolt Package
15-7200-0382-*

*specify finish

MODELS 99-726 AND 99-926

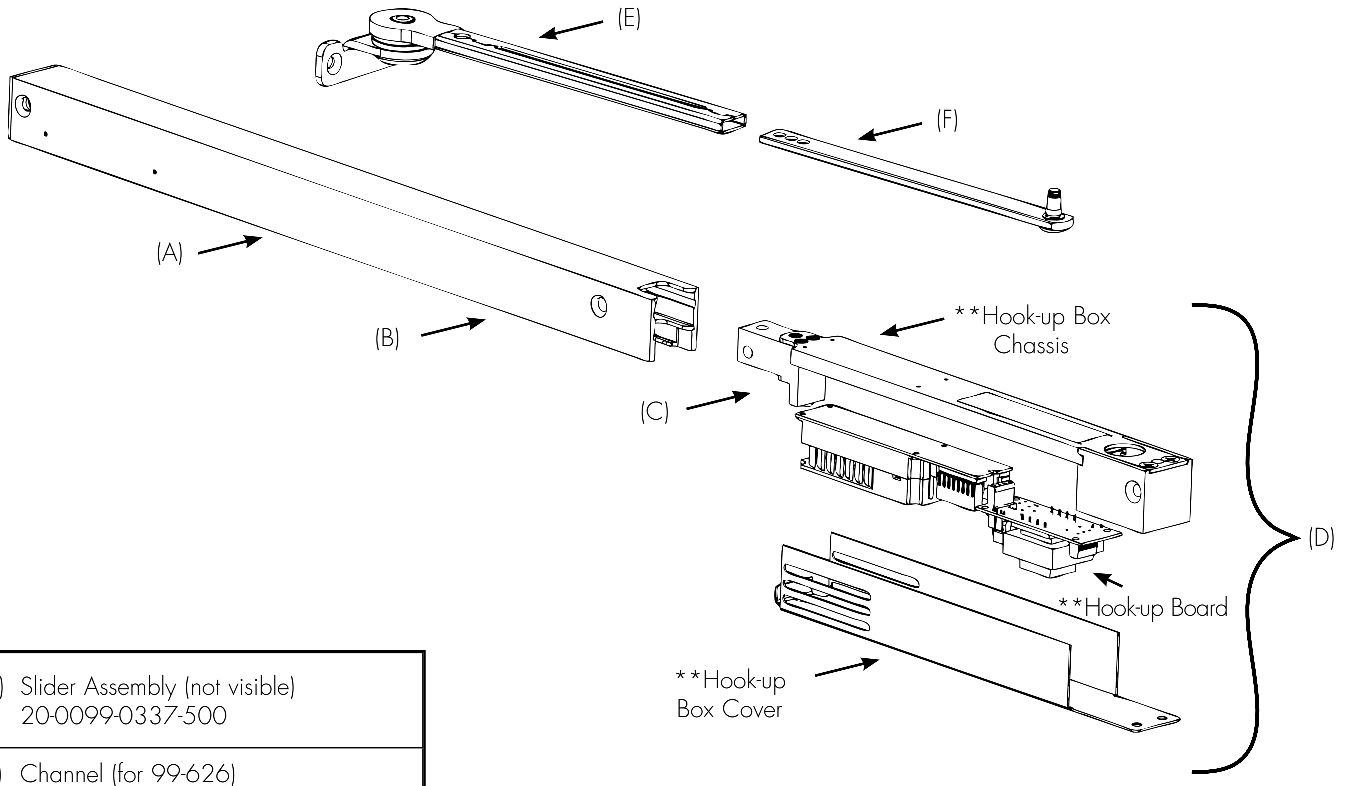


(A)	Slider Assembly (not visible) 20-0099-0337-500
(B)	Channel (for 99-726) 20-0099-0608-* (24V)
(B)	Channel (for 99-926) 20-0099-0609-* (24V)
(C)	Hook-up Box Assembly (for 99-726) 20-0099-0604-* (24V) 20-0099-0605-* (120V)
(C)	Hook-up Box Assembly (for 99-926) 20-0099-0600-* (24V) 20-0099-0601-* (120V)
(D)	Arm Bracket & Tube 20-0099-0516-*
(E)	Adjusting Rod 20-0099-0343-*

Screw Kit 20-0040-0534-*

*specify finish
* * Not sold separately. Part of hook-up box assembly

MODELS 99-626 AND 99-826



(A)	Slider Assembly (not visible) 20-0099-0337-500
(B)	Channel (for 99-626) 20-0099-0608-*
(B)	Channel (for 99-826) 20-0099-0609-*
(C)	Detector 20-0099-0610-500
(D)	Hook-up Box Assembly (for 99-626) 20-0099-0606-* (24V) 20-0099-0607-* (120V)
(D)	Hook-up Box Assembly (for 99-826) 20-0099-0602-* (24V) 20-0099-0603-* (120V)
(E)	Arm Bracket & Tube 20-0099-0516-*
(F)	Adjusting Rod 20-0099-0343-*

Screw Kit 20-0040-0534-*

*specify finish
** Not sold separately. Part of hook-up box assembly

NOTES

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For a complete listing of products and applications please visit our web site.
www.rixson.com
www.assaabloy.ca

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